

Journal
1887

Specimens taken to Washington
D.C.

Quercus arizonae
Hesperomys
Onychomys
Glaucomys

Summit,
Photographers
Killbuck City,

Wis.
Indian pottery ruin
from Ariz. Photos of.

Loxia stricklandi
Spinus
Sphyrapicus
Junco

22 *Melanerpes*

July 7th, 1887.

Left Ft. Verde, A.T. at 4 o'clock
A.M. and rode 36 miles
to Summer camp at Fern
Springs, near Baker's Butte.

Specimens. —

Cyanocephalus cyanocephalus

165544 ♂ ad. 304; 480; 158; 120;
cul. 39; gape, 41; tars 40;
mte, 31 cl. 9.

Cyanocephalus cyanocephalus

165545 ♂ ad. 300; 485; 155; 120
cul 36; gape, 39; tars 41
mte 32 cl. 9. Bill twisted.

5346 ♀ Chordeiles virginianus henryi ♂ ad.

133; 585; 195; 112; cul 8; tars 4.9;
gape, 26; tars 15; mte 21 cl 7.

Shot in limb of Oak tree by Mrs. Mearns

5547 ♀ Chordeiles virginianus henryi ♀ ad.

228; 365; 193; 112; cul, 7.5;

tars, 4.9 gape 25 tars 15 mte 20 cl 6

5548 ♀ Chordeiles virginianus henryi ♀ ad.

136; 590; 205; 117 cul 8; tars 5

gape 28 tars 15.5 mte 20 cl 5.5

July 12, 1887. Baker's 13th

Sciurus aberti ♂ ad. T. l. 585

H. & body 280 Tail vert 242 hairs 310
width 160 Ears, { crown, ^{hairs} 72; notch 44;
width 24; Tip of nose to front teeth, 9;
angle mouth, 31; eye, 30; centre
of pupil, 37; ear, 53; meatus, 54;
tip of ear, 97; occiput, 70; end of
hind limb, 433; Between eyes, 36;
Chest girth, 170; Longest whiskers, 80;
Diameter of eye, 11;
Fore limb from coracoid, 134; from
olecranon, 101; manus, 51; width
of manus, 14; longest claw of manus, 10.4;
Hind limb from head of femur, 179;
from knee, 131;
Pes, 71; width of pes, 16; longest
claw of pes, 10.

July 13th, 1887

Sciurus aberti ♂ ad. Total length 555

Head & body to os ischium, ~~555~~ Tail vert. 220
Tail hairs, 290; width 145 Ears, above
crown, ^{hairs} 73; notch, 43; width, 21
Between eyes, 39. Chest girth, 165.
Longest whiskers, 75. Tip of nose to: front
teeth, 11.5; angle mouth, 30 eye 31

centre pupil, 39; ear, 56; meatus
56; tip of ear, 95; end of outstretched
hind extremity, 430. Fore limb from
coracoid, 128; olecranon 97; manus, 49
width of manus, 15; its longest claw, 10
Hind limb from great trochanter, 186;
from knee, 132 Pes, 70, width, 15.
Longest claw, 10.

Sciurus aberti. ♂ ad. Total length, 525
Head & body, 259 Tail, vert., 218; hairs 268
width, 120. Ears, height above crown, ^{hairs} 61; 23;
notch, 41; width, 26. Between eyes 38
Chest girth, 150. Longest whiskers, 78
Tip of nose to: front teeth, 9.5; angle of
mouth, 28; eye, 30; centre of pupil, 38;
ear, 54; meatus, 54; tip of ear, 93
occiput, 68; and hind leg, 420.
Fore limb corac. 127; olecranon, 97
manus, 50; width, 15.3; long. cl. 10
Hind limb from head of femur, 188
from knee, 132 Pes, 74 width 16
longest claw, 10

Neotoma floridana mexicana ♂ ad

Total length, 339 Head & body, 202
Tail to end vert., 145; hairs, 155. Ears,
above crown, 28; notch, 30 width,
23. Bet. eyes 15. Chest girth, 105;
longest whiskers, 90; Tip of nose to front

Skull only preserved.

teeth, 6.5; angle mouth, 25; eye, 28; centre pupil, 32; ear, 46; meatus, 45; tip of ear, 77; occiput 55; end hind leg, 283; Fore limb from coracoid, 68; olecranon, 51; manus, 28; width, 8; long. cl. 2.8; Hind limb from head femur, 111; Knee, 75; Pes, 36; width, 8; long. cl., 4.

July 14th, 1887.

Tamias lateralis. ♀ ad. Total length 299 Head and body, 177. Tail to end vert., 104 hairs, 131; width, 48. Ears, height above crown, 18; notch, 20; width, 16. Tip of nose to front teeth, 5.2; angle mouth, 23; eye, 18.8; centre pupil, 24.5; ear, 38; meatus, 38; tip of ear, 60; occiput 48 end hind leg, 270. Bet. eyes, 26 Longest whiskers, 34; Chest girth, 110 Fore limb from coracoid, 78; olecranon, 58.5; manus, 30; width manus, 8; longest cl. m. 8 Hind limb from head femur, 107; Knee, 76; Pes, 42 width, 10; longest cl., 6.

^{undamaged 4 years}
⁵⁵⁵⁰
Parus gambelii. ♂ juv. In full 1st plumage. Was being fed by parent when shot. Bill brownish black. Legs, feet & claws, bluish-gray. Irides dark hazel.

July 14th, 1887 - Continued

Sciurus aberti ♂ ad. T. length, 575; Head & body, 288; Tail vert., 237; hairs, 282; width, 125; Ears, height above crown, 35; hairs, —; notch, 45; width, 27; Tip of nose to front teeth 10.5; angle mouth, 32; eye, 33; centre of pupil, 39; ear, 56; meatus, 57; tip of ear, 97; occiput, 71; end of hind leg, 450. Chest girth 150; Between eyes, 38, Longest whiskers, 74; Fore limb from coracoid, 138; from olecranon, 103; manus, 53; width, 15; longest cl., 11; Hind limb, 194; Knee, 138; Pes, 76; width, 16; longest cl., 10.5.

Tamias lateralis. ♀ ad. Total length, 297; Head & body, 177; Tail, vert., 99; hairs, 127; width, 53; Ears, height above crown, 14.5; notch, 22; width, 16; Tip of nose to front teeth, 5.2; angle mouth, 25; eye, 19; centre of pupil, 25; ear, 37; meatus, 38.5; tip of ear, 57; occiput, 49; end hind leg, 270; Between eyes, 27; Chest girth, 110; Longest whiskers, 35; Fore limb, coracoid, 77; olecranon, 56; Manus 28; width, 9.7; longest cl., 8; Hind limb, 100; Knee, 73; Pes, 41; width, 9.5; longest cl., 6.

No. 5549

Progne subis ♂ ad. July 13, 1887.

213; 433; 158; 82; cul., 13.7;
nostr., 9.5; gape, 26; tibia, 30.5;
tars., 15; mte., 21.5; claw, 6.5.

⁵⁵⁵¹
Melanerpes formicivorus ^{July 14} balldi ♀ juv.
With parents still. Irides grayish-white.
Bill plumbeous-black; claws, plumbeous.
Tarsi & feet grayish-green; under surface
of feet greenish-yellow. In full 1st plumage.

⁵⁵⁵²
Phryganeus thyroideus ? juv. July 14.
In full first plumage. Sex not determined.

⁵⁵⁵³
Troglodytes aedon marianae ♀ juv. Flew
up the leg of my trousers. I thought
it was some sort of a "bug" & crushed
it. It must have flown into my branches
while I was kneeling down wrapping up the
above specimens.

Sciurus aberti ♀ juv. Young of the year.

⁵⁵⁵⁰
Melanerpes formicivorus balldi ♂ ad.

238; 443; 142; 93; cul., 25; gape, 28;
tarsus, 19.5; mte., 22.5; cl., 8.5. July 18.

⁵⁵⁵⁷
Sitta pygmaea ♀ ad. 113; 206; 67; 37;
cul., 14; gape, 17; tars., 15; mte. 15.5;

claw 5.5. July 18. Caught in trap.

⁵⁵⁵⁸
Regulus calendula ♀ ad. No ruby crown
118; 183; 60; 47; cul., 11; nostr. 7; gape 13;
tars. 18.5; mte. 13; cl., 4.

⁵⁵⁵⁴

Buteo borealis calurus ♀ ad. The
light-breasted phase. 576; 1365; 425;
245; cul + cere, 38; cere, 14;
cul., 27; gape, 47; tibia 115;
tars., 87; mte., 64; claw, 24; hte.,
54; hind. claw, 32; inner claw, 29;
outer claw, 19.

⁵⁵⁵⁵
Buteo borealis calurus ♀ ad. The
dark-breasted, melanotic phase. 575;
1420; 444; 255; cul + cere, 40
cere, 15; cul., 28; gape, 46; tibia
127; tarsus 87; mte. 68; cl. 23
hte 57; cl. 36; inner cl., 29; outer cl. 18.
Irides yellowish-hazel. Cere greenish-yellow.
Bill plumbeous, shading to dusky at
tip. Legs & feet lemon-yellow; claws
blue-black. July 17th Baker's Butte.

⁵⁵⁵⁹
Phryganeus thyroideus ♀ juv. July 18.
Irides hazel.

⁵⁵⁶⁰
Picoides stricklandi ♂ ad. July 20.
217; 387; 124; 76; cul., 31; gape 34;
tarsus 23; mte., 17; cl., 9.2; hte.
20; cl. 9. Irides dark cherry red.

Bill ~~Bill~~ with mandible lighter
bluish-gray, becoming darker towards
at tip; maxilla olivaceous-plumbeous.

Legs, feet & claws plumbeous
 Shot on top of Baker's Butte
Heesperomys leucopus ♂ ad. July 19, 1887 Skull pres.
 Total l. 157; Head & body, 90. Tail to
 end vert., 6.6; hairs, 73. Ears crown
 1.6; notch, 17.5; width, 13. Chest girth
 Longest whiskers, 38. Between eyes, 8.5
 From end of nose to: front teeth 5;
 eye, 12; centre pupil, 16; ear 21
 meatus, 21; tip of ear, 41; aid of hind
 leg, 132; occiput 27.5. Fore limb from
 coracoid, 33; olecranon, 24; manus
 11.5; width, 3.3 cl., 1.6. Hind limb
 from head of femur, 52; knee, 37
 Pes, 19; width, 3.7; cl. 1.9.

⁵⁵⁶¹ Progne subis ♂ ad. July 21, 1887.
 209; 421; 151; 84; cul 13.2; not 8.8
 gape, 25; tars 15; nte 23; cl 7

⁵⁵⁶² Progne subis ♂ ad. July 21, 1887.
 202; 410; 146; 78; cul, 13 gape, 25;
 not, 8.4 tars 15.5; nte 22; cl 6.5

⁵⁵⁶³ Progne subis ♀ ad. July 21, 1887.
 263; 410; 147; 79; cul, 13.2; not. 9
 gape 24; tars, 15.3; nte, 22 cl 6.9.

Baker's Butte

July 21st, 1887

Sciurus hudsonius frimonti ♀ ad.
 Total length, 383 Head & body 203
 Tail vert 140 hairs 182 width 70
 Ears crown 21 notch 30 width 23
 Tip of nose to: front teeth 7 angle 26
 eye 23 centre pupil 28 ear
 meatus 44 tip of ear 72 occiput 54
 eye & hind leg 132.5 Chest girth 110
 Longest whiskers 63 Between eyes 26
 Fore limb coracoid 96 olecranon 69
 manus 34 ~~pes~~ width 8 cl 6
 Hind limb 136 knee 94 pes 51
 width 10 @ cl. 7.

⁵⁵⁶⁴ July 22, 1887 Baker's Butte
Sitta carolinensis aculeata ♀ juv.
 In first plumage. Shot by E.W.M.
⁵⁵⁶⁵ Junco cinereus dorsalis ♂ juv
 In first plumage. Caught in tent.

⁵⁵⁶⁷ Progne subis ♂ ad. 208; 426; 147;
 82; cul 13 not 8.7 gape 25; tars 14.5
 nte 21.5 cl. 7; tibia 30; hte 15; cl 7
 Irides dark hazel. Bill, legs, feet & claws
 brownish-black. The following specimens
 are colored the same.

⁵⁵⁶⁸ Progne subis ♂ ad. 209; 416; 149; 80
 cul. 12.6; not, 8; gape, 24.5; tars, 15; nte, 21.5; cl. 7

5569

Progne subis ♂ ad. Shot by E.W.M.210; 425; 154; 81; cul 12.3; nost 8;
gape ^{12.4} 15.5; tars 15.5; mtc 22.5; cl 7; tib 29Progne subis ♀ ad. Shot by E.W.M.

198; 409; 147; 73; cul 12; nost 8

gape 23; tars 15; mtc ~~22.5~~ 21.6; cl 6.2Progne subis ♀ ad. Shot by E.W.M.

205; 410; 149; 79; cul 12.8; nost 9;

gape 24.5; tib 29.5; tars 15; mtc 23; cl 7

Progne subis ⁵⁵⁷² ♀ ad. 205; 421; 149; 78

cul 13; nost 9; gape 24.5; tars 16.5;

tibia 30; mtc 22; cl 7. The last 3

females seem to be adults &

differ in depth of blue above

& dark color below considerably

all, however were carefully dissected.

⁵⁵⁷³ Loxia am. stricklandi ? ad? In

worn plumage, with family in pines

174; 200; 97; 60; cul 19.5;

gape 19.5; maxilla crosses to left

of mandible; tars 18; mtc 22

cl 9; htc 18.5; cl 9.

5566

July 23.

Cardellus rubrifrons ? ad.

Moulting & pin-feathering. Measure

= ments (of feathers) not reliable

139; 190; 66; 65; cul 10.3; nost 7

gape 10.3; 13; tibia 23; tars 17.5;

mtc 13; cl 4; htc 10; cl 5;

Legs, feet & claws, dusky brownish.

Bill plumbeous black, pale at base of

mandible.

5574

Sphyrapicus thyroideus ♂ ad.

In worn plumage & moulting. The

tail is worn down to stubs &

greatly shortened. Shy & disposed

to hide on trunk of tree behind limbs

Parent (probably) of the last spec.

205; 424; 136; 63; cul 24

gape 27; tip of bill to centre of

prepuce, 32; to occiput 45;

base of bill to occiput, 23;

tibia ³² 24; tarsus, 24; mtc 22

cl 8.8; htc 11.6; cl 6. Irides

dark reddish-brown. Bill dark

plumbeous or neutral tint.

Legs & feet greenish-gray; claws

plumbeous.

5575

July 24thMelanerpes formicivorus bairdi

♂ juv. Volcome killed it with a
 storm. Sides grayish-white.
 Bill dark plumbeous. Legs
 and feet greenish-gray.

Gape plumbeous. First plumage

Cotolopus richardsoni ♂ ad.

163; 274; 91; 73; cul. 13; not 9.4
 gape, 20; tars, 14; mtc. 12.4 & 5.

July 26th

Ardea herodias montana ♀ ad.

Total length, 1670; Tail vert 160;

Tail band 285; width, 235;

Ears crown, 217; notch 207; width, 135;

Between eyes 120; Chest girth, 900

Tip of nose to eye, 180; center pupil, 200;

Ear, 265; tip of ear, 520; occiput, 325;

base of tail following curve of back

Diameter of eye, 28; tip of nose to

angle of mouth, 103. Coracoid to

humerus joint 450. Olecranon to

humerus 300. Great trochanter to

humerus joint 590.

Weight after bleeding and

evacuation, with four eggs

1490.

cut off 105 lbs. on scales.

when alive weight estimated 150 lbs.

Color ashy-gray densely overlaid

by yellowish-brown. Chin throat

& inner side of limbs white

Chest without any sooty black

as in winter plumage. Eyelashes black

Arvicola ^{magallanensis type} reparia. ♂ ad. Total length 121

Head & body, 88 Tail vert. 31 hairs 35

Ears crown 7 notch 9 width 9

Tip of nose to front tooth 2.2 eye 10.5

center pupil, 12.5; ear — meatus 19

tip of ear 31 occiput 25 end of leg 117

Fore limb coracoid 34 olecranon 23

Br. manus 11; Cl, 2. Hind limb

44; knee, 31; pes, 18; Cl, 2.2

Troglodytes aedon marianae ♀ juv

in full first plumage.

1490. 5578

Glaucochim quoma ♂ ad. (No. 5578.)

176; 355; 97; 72; cul. & cere, 14

cere 4; cul 11.3 gape 17; diameter

of eye, 6.5; tip of bill to center of

pupil, 19; to occiput, 33; base of

bill to occiput, 27; tibia 40; tars,

17; mtc, 24; Cl, 10.6; htc, 17.

cl. 9. Irides yellow Bill &
cere yellowish-green Bare
portion of feet greenish-yellow
Claws greenish-olive at base, shading
to blackish at tip. Inner cl 9.8
Outer cl, 9. Shot in oak-tree.
Picoides stricklandi ♂ juv.
226; 387; 121; 82; cul., 30
gape, 34; tars., 21.5; mte. 19
cl. 9.2. Irides dark reddish
brown Bill, legs, feet &
Claws plumbeous.

July 27th.

Chordeiles virg. henryi ♂ juv.
nestling. They utter a
~~hissing~~ hissing, blowing sound
and run off together. At first
thought they were a *Ralliesnath*
as one ran close behind the
other through the grass.

Chordeiles virg. henryi ♂ juv.
Empidonax difficilis ad.

153; 235; 75; 68; cul., 13; nost., 8.5;
gape, 17; tars., 16.5; mte., 13; claw, 5;
hlc., 11; claw 5.5.

July 28th
innum

(1) *Loxia stricklandi* ♂
178; 313; 103; 68; cul., 21; tibia,
28; tars., 17.5; mte., 22.5; claw, 9;
hlc., 19; claw, 10. Irides, hazel.
Tarsi & feet brown with oliv-
aceous tinge; claws, dusky. Bill
olivaceous plumbeous shading
to dusky at tip.

(2) *Loxia stricklandi* ♂
171; 293; 97; 61; cul., 19; tibia,
28; tars., 18; mte., 23; claw, 8.7;
hlc., 18; claw, 9.

(3) *Loxia stricklandi* ♀
176; 300; 100; 63; cul., 19; tibia, 30;
tars., 18; mte., 23; claw, 8;
hlc., 18; claw, 9.

(4) *Loxia stricklandi* ♀
165; 277; 91; 61; cul., 18.5; tibia, 29;
tars., 17.5; mte., 19; claw, 7; hlc., 15;
claw, 7.5.

* *Melanerpes formicivorus bairdi* E. M. D.
231; 437; 143; 88; cul., 28; gape, 30.5;
tars., 21; mte., 24; claw 8.7; hlc., 11.5;
claw 5; Irides, white.

5587

Trochylus platycircus End.
 103; 124; 51; 35; cul. from feathers, 17;
 gape, 22.5; tars., 4.5;

5588

July 29th, 1887.

Columba fasciata ♀ ad. 385; 635;
 215; 156; Cul. from feathers 18;
 gape, 28; tibia 53; tarsus, 29;
 hute, 40; cl., 11; hute 26; cl., 9.3.

Sciurus arizonensis ♀ juv. young of year
 Total length 58; Head & body 24.5;

Tail vert. 26.0; hairs, 34.0; width 13.5

Bet. eyes, 34 Longest whiskers 80

Lip of nose to f. teeth 9 angle mouth 28
 eye 30 centre pupil 36 meatus 53

Ear 79. hind hind leg 378; Ears,
 height crown 22; notch 32; width 22

Fore limb coracoid 122 olecranon 95
 manus 50 width 12.5; cl., 9

Hind limb 78 knee 127 per 74
 width 15 longest claw 9.4

Killed in pine tree; eating pine seeds.
 on Weber Creek, Forto Basin.

July 30th, 1887.

* Sciurus aberti ♀ juv. young of the
 year shot by E. W. M.

July 31st, 1887.

Tamias lateralis ♂ ad. Total length 317 Head & body 180 Tail vert. 103 Tail hairs 126 width 80 Ears crown 15 notch 22 width 17 Between eyes 27 Chest girth 100 Longest whiskers 37 Tip of nose to: front teeth 5.5 angle mouth 27 eye 19 Centre pupil 26 ear 39 meatus 40 tip of ear 60 occiput 49 hind leg 277 Fore limb from coracoid 80; olecranon 59 Manus 28 width 8.5 longest cl. 7.2 Hind limb 105 knee 78 pes 43 width pes 10 longest cl. 5.6.

Tamias lateralis ♂ ad. Total length 300 Head & body 180 Tail vert. 93 hairs 128 width 65 Ears crown 16 notch 22 width 18 Between eyes 27 Chest girth 105 Longest whiskers 35 Tip of nose to: front teeth 5.5 angle mouth 28 eye 19.5 centre of pupil 26 ear 39 meatus 40 tip of ear 60 end of hind leg 275 Fore limb coracoid 77 olecranon 59 manus 29 width 9 longest cl. 8 Hind limb 106 knee 77 pes 43 width 10 longest cl. 6.

August 1st, 1887.

Tamias lateralis ♂ ad. Total length 310 Head & body 185 Tail vert. 96 hairs 128 width 57 Ears crown 13 notch 23 width 17 Between eyes 26 Chest girth 130 Longest whiskers 38; Tip of nose to: front teeth 6; angle of mouth 26; eye 20; centre of pupil 26; ear 42; meatus 42; tip of ear 62; occiput 52; end of hind leg 276; Fore limb from coracoid 79 olecranon 60; manus 31 width 9.5 longest claw 8; Hind limb from head 118; knee 77; pes 44; width pes 11 longest claw 6.3

* *Loxia stricklandi* ♀ ad. Shoby Elm. 162; 273; 90; 57; Cul 19 Tars 16; Mtc 20.9; Claw 8; htc 17; claw 8.5

Loxia stricklandi ♂ (age?) 164; 287; 97; 60; Cul 18 Tars 18 Mtc 22; claw 8; htc 18.3; claw 8.3;

Loxia stricklandi ♀ (age?) 172; 295; 102; 67; Cul 18.5 Tars 18 Mtc 22; claw 8; htc 19; claw 9.5

August 1st 1887.

Vireo Alburnus ♂ ad.

151; 256; 85; 6.7; Cul 12
Nostril 8. gape 16.5. Tib. 25
Tars 19.5 Mte 16 Claw 5.3.
Htc 12 claw 6. Molting.

Columba fasciata ♂ ad. 365; 630;
215; 150; cul. 17; gape, 27; tibia 54
tarsus 28 mte 41 cl 10 htc 25 cl 9.7

Aug. 2nd, 1887.

Dendroica olivacea ♂ ad. Molting.
133; 225; 77; 54; cul 11.5; nostr 7.5
gape 15.5; tibia 23 tars. 18; mte 14
cl 4.2 htc 11.5; cl. 5.

Columba fasciata ♂ ad. 373; 650
215; 148; cul 17 gape 28 tibia 56
tarsus ~~mte~~ 29 mte 37 cl 9;
htc 23 cl 8

Columba fasciata ♀ ad. 375; 625;
204; 144; cul 17 gape 28 tibia 57
tarsus 28 mte 38 cl 9.7
htc 25 cl 9.4.

Loxia stricklandi, ♂ ad. ¹⁸⁴ 284; 307
100; cul. 21.5; tibia 30 tarsus 19.5
mte 23 cl 9 htc 20 cl 10

[Skip one page]

Aug. 3rd, 1887

Caracus macrotis montanus ♂ ad.

A cactus buck or emascuated male
Total length, Total length following
curves of body, 1880. Tip of nose to
root of tail, 1440. Tail vert, 225;
Tail hairs, 375; width of tip 285;
Ears crown 223. notch 203

width, 130. Tip of nose to front teeth,
; angle of mouth, 106 eye 185
centre of pupil 203 [Diameter of eye 31]
Ear 280 tip of ear 535 occiput 340
end of outstretched hind leg,

Fore limb from coracoid 775
from acromion 636 "humerus" 340
Hind limb from gt. trochanter 975
Knee 735 Kock 480 pes 140
Bet. eyes, Chest girth, 950.

From top of scapula to and fore
hoof 980. Last joint fore leg 126
Neck girth behind occiput 370
Girth of head between horns & ears 460
Loins girth 760. Four good sized teats
& no testicles.

Merula migratoria propinqua
♂ juv. Nestling just from
nest.

August 2nd Continued
 from 2 pages back
Toxostoma stricklandi ♂ (age?)
 175; 294; 99; 64; cul 18.5; tibia
 tarsus 18; mte 21 cl 7 mte 18 cl 8.5.
~~Geothlypis trichas~~
~~Myiarchus cinerascens~~ ♀ ad.
 210; 350; 110; 93; cul 20
 most 14 gape 25 tibia ?
 tarsus 18 mte 16 cl 6
 mte 14 cl 7. Irides hazel
 Mandible orange-yellow.
Picus villosus ♀ ad. Not skinned
 221; 385; 120; 73; cul 27; gape 30
 tarsus 20 tibia 33; mte 22
 cl. 10; mte, 12; cl. 6.

August 3rd, 1887.
Sciurus aberti ♀ ad. Very large
 Preserved in pickle. Tot. l. 585
 H. + bod. 280 Tail vert. 237 hairs 309
 width, 145. Ears crown 35 notch 45
 width 27. Lip of nose to front teeth
 10 angle eye 32 centre pupil
 38 ear 99 meatus 56 tip of ear 99
 occiput 48 end hind leg. 440 Between
 eyes, 36 Chest girth 165
 Longest whiskers 83 Fore limb from
 coracoid 138 olecranon 103 manus 54
 width 15 cl 10 Hind limb 203
 Knee 136 Pes 77 width 15 cl 11.

Notes on a trip to the Mogat-
=zal Mtns., Arizona from
Camp at "Fern Spring", A.T.,
between the 4th and 11th, 1887.

August 4th

Left camp at Fern Spring at 3 o'clock
P.M. and took a trail over a ridge
at the side of the Cañon of Pine Creek,
which stream "heads" at Baker's Butte
and breaks through the rocky rim of
Tonto Basin south of the Butte. We
camped at the mill in Pine Creek
Settlement, having ridden 9 miles.
Our party consisted of a civilian
named Andrew McFarland, two
private soldiers and two pack
mules (besides myself).

We observed the Band-tailed
Pigeons flying ~~south~~ northward out
of the Basin to roost among the
pines on the Mogollon Mts. Some
were shot. We also shot four
Abert's Pine Squirrels, one of which
was first seen in the trail
ahead of us, and ran along with
a large mushroom in its mouth.

I ascended a tall pine-tree,
and sat on a branch eating the
mushroom when I shot it. The
Mormon Settlers were very
friendly in conversation, but
nevertheless did not hesitate to
charge a soldier $\frac{3}{4}$ dollar for
a quart of milk, returning him
2 bits for change from a ^{silver} dollar.
The darkey took his change and
walked up to the Mormon's fence
and called out: "I don't guess yo
nebber specks ter see me roun'
des parts no mo, does yer?"
A male specimen of Picoides,
the Three-toed Woodpecker, on
Baker's Butte.

Aug. 5th, 1887.

Desiring to visit the famous
Natural Bridge on Pine Creek, we
ascertained that it was but four
1/4 miles

Aug. 21st

2637 Melanerpes bairdi ♂ ad. *

241; 442; 145; 90

Shot by E. W. M.

T. lateralis ♂ ad. W. L. 295.

~~H + today~~ 185. Tail vert 90
Wings 115 r

On July 17 ^{Mr. Saw} Actitis
macularia in pine forest; no
water. 7,000 ft. alt.

Aorta { Arch
 { Thoracic
 { Abdominal

Arch: Ascending, Transverse & Descending

Arteries of the
head & neck

Ascending { Right Coronary
 { Left Coronary
Transverse { Innominate
 { Left Subclavian
 { Left Common Carotid
Innominate { Right Subclavian
 { Right Common Carotid

Common Carotid { External Carotid
 { Internal Carotid
 { Superior Thyroid
 { Lingual
 { Facial

Internal Carotid { Ascending Pharyngeal
 { Occipital
 { Posterior auricular
 { Transverse Facial
 { Superficial Temporal
 { Internal Maxillary

Superior Thyroid { Hyoid
 { Superficial Descending
 { Superior Laryngeal
 { Thyroid
 { Crico-thyroid

Lingual

{ Hyoid
 { Sublingual
 { Submental

Aorta { Arch
Thoracic
Abdominal

Arch: Ascending, Transverse & Descending

Branches of the aorta

Ascending { Right Coronary
Left Coronary

Transverse { Innominate
Left Subclavian
Left Common Carotid

Innominate { Right Subclavian
Right Common Carotid

Common Carotid { External Carotid
Internal Carotid

Superior Thyroid

Lingual

Facial

External Carotid

Ascending Pharyngeal

Occipital

Posterior auricular

Transverse Facial

Superficial Temporal

Internal Maxillary

Superior Thyroid

Hypoid

Superficial Descending

Superior Laryngeal

Thyroid

Crico-Thyroid

Lingual

Hypoid

Sublingual

Dental

